

Capilene® HT 75 A

Polypropylene Impact Copolymer

Carmel Olefins Ltd.

Message:

CAPILENE ® HT 75 A is an improved stiffness polypropylene heterophasic copolymer intended for injection molding. CAPILENE ® HT 75 A features: nucleating and antistatic additives, high flow, high stiffness, good impact strength and short molding cycle time. CAPILENE ® HT 75 A is suitable for: pails, containers, household articles, toys and technical items.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Fast Molding Cycle		
	Good Impact Resistance		
	High Flow		
	High Stiffness		
	Impact Copolymer		
	Nucleated		
Uses	Containers		
	Household Goods		
	Pails		
	Toys		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	25.0	MPa	ASTM D638
Yield	24.5	MPa	ISO 527-2/50
Tensile Elongation			
Yield ²	6.0	%	ASTM D638
Yield	6.0	%	ISO 527-2/50
Flexural Modulus			
--	1450	MPa	ASTM D790

-- ³	1450	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-20°C	50	J/m	ASTM D256
23°C	70	J/m	ASTM D256
-20°C	4.5	kJ/m ²	ISO 180
23°C	7.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	105	°C	ASTM D648
0.45 MPa, Unannealed	95.0	°C	ISO 75-2/B
Vicat Softening Temperature	147	°C	ISO 306/A, ASTM D1525 ⁴
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	5.0 mm/min		
4.	Loading 1 (10 N)		

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